techniques atre being developed and tested in the laboratory for conservation of water. However, Indian Institute of Technology (IIT) and certain other institutions iri the country including Central Ground Water Board, have been working on innovations improvements to make the age old rain water harvesting techniques more efficient and cost-effective. Percolation tanks, check dams, gabion structures, dug well recharge structures, recharge shafts and roof-top rain water collection systems are some of the means of rain water conservation. Adoption of these techniques throughout the country is likely to contribute significantly to improve ground water table especially in the dark areas. Construction of check Dam on Khari river, a seasonal river in District Agra, Uttar Pradesh has been undertaken by the State Government and this type of construction works in dark and gray areas of Uttar Pradesh are being proposed by the State Government to conserve rain water. Construction of Irrigation pond is also being undertaken In various locations in the State.

**Completion of Farakka Barrage Project**

1498. SHRI DIPANKAR MUKHERJEE: Will the Minister of WATER RESOURCES be pleased to refer to answers to Unstarred Question 1052 and Starred Question 30 given in Rajya Sabha on 27th November, 2001 and 25th July, 2002 respectively and state;

(a) the status of implementation of seven schemes under short-term measures at an estimated cost of Rs. 130 crore through Farakka Barrage Project Authority to check erosion caused by Ganga;

(b the amount spent so far; and

(c) the tentative date of completion of each scheme?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRIMATI BUOYA CHAKRAVARTY): (a) the current status of the schemes is given in the statement enclosed. *{See below).*

(b) An amount of Rs. 17.5313 crore has been spent upto August, 2002 against the above schemes.

(c) Tentative date of completion of each scheme depends on the speed with which the schemes are executed, the availability of fund and the site conditions.

***Statement***

*Works recommended by Expert Committee set up by Planning Commission*

SHORT TERM WORKS

**Priority-I**

| SI. No | Name of Work | Estimated Cost (Rs. In crore | Expenditure incurred upto date !) 2002-03 | Status and completion |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| 1. | Construction of 2 long spurs by F.B. Project D/S of Manikchak at 29th and 28th KM. U/S of Farakka Barrage | 30.00 | | works not taken up as studies by CWPRS did not favour. The situation is improving further due to siltation at the site. The scope of work was changed to revetment by TAC of Farakka Barrage, |
| 2. | Construction of 2 nos. spurs D/S of Farakka Barrage at Bindugram including revetment of 1 km. bank line | 30.00 | 5.7674 | Works have been taken up for execution by Farakka Barrage Project Authority during 2002-03 at Bindugram/Nayansukh at the right bank of river Ganga downstream of Farakka Barrage in a reach from 5700 m. to 6300 m. *i.e.* length of 600m at the cost of Rs. 3.05 crore (approx). Furtherbalance work upto 6.9 km. i.e. 600 m. proposed to be completed during 2003-04. |
| 3. | Protection work on right bank of river Ganga at Moya D/S of Farakka: Length 3 km® 10.00 Crore/Km. | 30,00 | 4.4234 | At Moya and Fzilpur at the cost of Rs. 3,45 crore a length of about 3 km. out ot 5 km, have been provided adequate |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 4. | Protection of right bank of river Ganga downstream of Farakka Barrage at FazilpurLength2km. | 5.00 | | protection. The remaining 2 km. is proposed to be completed in 2003-04 |
| 5. | Bank revetment work of 2 km. of left marginal embankment 10th retired embankment U/S of upstream left guide bundfi of Farakka Barrage | 15.00 | 7.3405 | Works in phases as per recommendation of TAC based on site condition and availability of fund are being carried out and most of the work has been completed. The balance work is proposed to be completed in 2003-04. |
| 6. | Essential Dredging: | | | StudybyCVVPRSinFeb., 2002 suggested for wait |
| | a) for Kosi Channel<br>b) for river management U/S and D/S of Farakka Ban-age. | 5.00<br>10.00 | | and watch due to development of central channel which may reduce the water pressure on left bank and consequently control of erosion. |
| 7. | River behaviour studies, models, river and details investigation: mapping and updating of all requisite technical data. | 5.00 | | |
| | TOTAL: | 130.00 | 17.5313 | |

**Utilization of rain water**

1499. SHRI MATILAL SARKAR: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether Government have assessed as to how much rain water in percentage can be retained and utilized for the purpose of uses by man, animals and plants including irrigation;

(b) if so, what is the percentage; and

(c) what steps Government are going to take to increase the percentage of its utilization?